

Name \_\_\_\_\_

## Compare and Order Rational Numbers



**COMMON CORE STANDARDS—6.NS.7A, 6.NS.7B** Apply and extend previous understandings of numbers to the system of rational numbers.

Compare the numbers. Write  $<$  or  $>$ .

1.  $-1\frac{1}{2}$   $-\frac{1}{2}$  Think:  $-\frac{1}{2}$  is to the **left** of  $-\frac{1}{2}$  on the number line, so  $-1\frac{1}{2}$  is **less than**  $-\frac{1}{2}$ .

2.  $0.1$   $-1.9$

3.  $0.4$   $-\frac{1}{2}$

4.  $\frac{2}{5}$   $0.5$

5.  $-1.1$   $0$

6.  $\frac{3}{4}$   $\frac{9}{10}$

7.  $-2.5$   $-\frac{3}{1}$

Order the numbers from least to greatest.

8.  $0.2, -1.7, -1$

9.  $-2\frac{3}{4}, -\frac{3}{5}, -1\frac{3}{4}$

10.  $-0.5, -1\frac{2}{3}, -2.7$

\_\_\_\_\_  $<$  \_\_\_\_\_  $<$  \_\_\_\_\_

\_\_\_\_\_  $<$  \_\_\_\_\_  $<$  \_\_\_\_\_

\_\_\_\_\_  $<$  \_\_\_\_\_  $<$  \_\_\_\_\_

Order the numbers from greatest to least.

11.  $-1, -\frac{5}{6}, 0$

12.  $1.82, -\frac{2}{5}, \frac{4}{5}$

13.  $-2.19, -2.5, 1.1$

\_\_\_\_\_  $>$  \_\_\_\_\_  $<$  \_\_\_\_\_

\_\_\_\_\_  $>$  \_\_\_\_\_  $>$  \_\_\_\_\_

\_\_\_\_\_  $>$  \_\_\_\_\_  $>$  \_\_\_\_\_

Write a comparison using  $<$  or  $>$  to show the relationship between the two values.

14. an elevation of  $-15$  m and an elevation of  $-20.5$  m

15. a balance of \$78 and a balance of  $-\$42$

16. a score of  $-31$  points and a score of  $-30$  points

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### Problem Solving



17. The temperature in Cold Town on Monday was  $1^\circ\text{C}$ . The temperature in Frosty Town on Monday was  $-2^\circ\text{C}$ . Which town was colder on Monday?

18. Stan's bank account balance is less than  $-\$20.00$  but greater than  $-\$21.00$ . What could Stan's account balance be?

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